

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1-11 Canceled

12. (New) Method for calculating the lateral force in a motor vehicle with an electromechanical or electrohydraulic steering system, the method comprising:
recording a steering rod force;
calculating a total restoring torque from the steering rod force, with the said restoring torque comprising a restoring torque generated by lateral force and other restoring torques;
quantitatively determining the other restoring torques based on measured values;
subtracting the other restoring torques from the total restoring torque for determining the restoring torque generated by the lateral force; and
determining the lateral force from the restoring torque generated by the lateral force.

13. (New) Method in accordance with claim 12, wherein a transmission ratio between the steering rod force and the total restoring torque is included in the determination of the lateral force.

14. (New) Method in accordance with claim 13, wherein the transmission ratio is responsive to a steering angle.

15. (New) Method in accordance with claim 12, wherein a kingpin inclination, a caster angle or a combination thereof is included in the determination of the lateral force.

16. (New) Method in accordance with claim 12, wherein the other restoring torques comprise one or more of a restoring torque generated by rolling resistance, a brake force, a driving power, and a vertical force.

17. (New) Method in accordance with claim 12, wherein the steering rod force is detected as a force that acts the left and right steering tie rods or as a total steering rod force.

18. (New) Method in accordance with claim 17, wherein the total steering rod force is calculated from a steering torque generated by the driver, a steering amplification, and a steering ratio.
19. (New) Method in accordance with claim 18, wherein a steering-angle-responsive steering ratio enters into the calculation of the steering rod force.
20. (New) Method in accordance with claim 17, wherein the total steering rod force is determined from the motor current and/or the motor position of one or more electric motors of the electromechanical or electrohydraulic steering system.
21. (New) Method in accordance with claim 12, wherein a sideslip angle is determined from the determined lateral force.
22. (New) Method in accordance with claim 12, wherein a coefficient of friction is determined from the determined lateral force.